Contents Volume 87, 1993

The 18.6 yr nodal cycle and its impact on tidal sedimentation A.P. Oost, H. de Haas, F. IJnsen, J.M. van den Boogert and P.L. de Boer	1
Calcretes from a palaeosinkhole in Jurassic palaeokarst (Subbetic, southern Spain) C. Jiménez de Cisneros, J.M. Molina, L.M. Nieto, P.A. Ruiz-Ortiz and J.A. Vera	
Lithostratigraphy and vertebrate biostratigraphy of the early Miocene Himalayan Foreland, Zinda Pir Dome, Pakistan	13
K.F. Downing, E.H. Lindsay, W.R. Downs and S.E. Speyer	25
Thin eolianites interbedded within a fluvial and marine succession: early Proterozoic Whitworth Formation, Mount Isa Inlier, Australia E.L. Simpson and K.A. Eriksson	20
Roundness of sand grains of longitudinal dunes in Saudi Arabia	39
A.M.S. Sagga	63
Clastic dykes of the Devono-Carboniferous Horton Bluff Formation, Nova Scotia: storm-related structures in shallow lakes	09
A.T. Martel and M.R. Gibling	103
Discussion The diagenesis of continental (Karoo-Tertiary?) siliciclastics from an East African rift valley (Rukwa-Tukuyu	
area), Tanzania—discussion W.A. Wescott	121
The diagenesis of continental (Karoo-Tertiary?) siliciclastics from an East African rift valley (Rukwa-Tukuyu area), Tanzania—reply	
H. Dypvik and H. Nesteby	125
Recognition of seismically induced liquefaction features: application of Fourier Grain Shape Analysis to two sites in the Charleston, South Carolina, area	
C.P. Rajendran, R. Ehrlich, P. Talwani and K. Collinsworth	129
D.J. Prosser, J.A. Daws, A.E. Fallick and B.P.J. Williams	139
The evolution of the Middle Triassic (Muschelkalk) carbonate ramp in the SE Iberian Ranges, eastern Spain: sequence stratigraphy, dolomitization processes and dynamic controls	
J. López-Gómez, R. Mas and A. Arche	165
Coal Measures, New Zealand D.G. Titheridge	195
Evolution of a mixed sand and gravel barrier system in North Canterbury, New Zealand, during Holocene sea-level rise and still-stand J. Shulmeister and R.M. Kirk	215
J. Silulineister and K.W. Kirk	215
Discussion Geochemical and detrital mode evidence for two sources of Early Proterozoic sedimentary rocks from the	
Tonto Basin Supergroup, central Arizona—discussion R. Cox	237
Geochemical and detrital mode evidence for two sources of Early Proterozoic sedimentary rocks from the Tonto Basin Supergroup, central Arizona—reply	231
C.M. Conway, K.C. Condie and P.D. Noll, Jr.	241

Book Reviews	
Basins on the Atlantic Seaboard: Petroleum Geology, Sedimentology and Basin Evolution, by J. Parnell-T.	
Burchette	245
Microstructure of Fine-Grained Sediments. From Mud to Shale. Frontiers in Sedimentary Geology, by R.H.	
Bennett et al. (Editors)—D. Eisma	246